

SECRET

28 July 1961


ITEK
Boston, Massachusetts

Two items under development for us, at least that I am monitor of. Both of these contracts are classified SECRET.

The first is the development of a spatial filtering Image Enhancement Viewer. For a complete run-down on the status of this, see my Trip Report to Chief, Technical Plans and Development Staff, covering a trip to Boston on 13 July 1961.

The second item is a contract for the development of a design study covering a multi-format high acuity film viewer. This contract only just has been let and as a result there has been no activity to date.

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NOTE: This represents the information as of COB, 26 July 1961

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ATTACHMENT I

ITEK SPATIAL FILTERING CONTRACT
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Conversations with [REDACTED] indicate as follows:

a. The present funding provides for theoretical, followed by actual, investigations into the use of sloped occluding filters instead of sharp cut of filters in the spatial filtering mechanism. Upon completion of the investigation phase, the contract calls for modification (if warranted) to include the gradual, or sloped, occluding filters and recommendations for any further continuation of the work as may be warranted.

b. The theoretical investigations - five notebooks full - are complete and strongly indicate the soundness of the sloped filter concept.

c. Experimental results, using the first such filters, indicate a demonstrable success in practice. Two negatives, attached hereto, show the before and after results obtained through the spatial filtering device using the first sloped filter. Despite the lack of sophistication in the filter system, there is an apparent gain in edges and object separation.

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d. [REDACTED] will be ready for detailed lab tests on or about the end of July and at his request I plan to spend two days at Itek then to participate in such tests.

e. An additional proposal may be expected covering an extension of the present work to include manufacturing and installation of new filters and a modified magnified viewing system.

f. No money overrun is indicated on this contract at this time but there may be a fourteen day delay in work completion. I indicated such a delay would be tolerable.



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